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PsyCuraDat: Developing curation criteria and standards enabling the sustainable (re)use of psychological research data

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## Background & Purpose

The project PsyCuraDat (funding no. 16QK08) was created to develop methodspecific curation criteria and standards for psychological research data, enabling the data's long-term interpretability and reusability. Three years of empirical research finally led to the development of a user-friendly documentation standard called **D-Psy-FAIR**.

## Benefits



The D-Psy-FAIR standard... ... offers a simple and easy to adopt way of organizing psychological research data for your workgroups research process. ... enables a more effective and efficient documentation and reuse of psychological research data. ... guarantees the data's longterm interpretability and reusability. ... embodies the principles of Open Science and enhances the sustainable use of research data.





## Sustainable Data Documentation in 4 Steps

#### Step 1 - Write a Study Description

Provide information on these aspects:

- Authors (Names, ORCID ID),
- Study Title & Abstract
- Objectives & Hypotheses
- Sample & Design:
  - Inclusion & Exclusion Criteria
    Population
  - Sampling Method & Sample Size
  - Setting
  - Methodological Approach
  - Number of Measures

Step 3 - Data Preparation and

Analysis Šteps

Describe your data preparation

and analysis steps by adding

• Illustrate transformations

data, (i.e. re-coding, scale

carried out to prepare your

Provide a short description of

each analysis that you have

helpful comments to your

syntax files:

values)

carried out

### Step 2 - Create a Codebook

Provide at least the following information for each variable. A codebook can also be easily created using our documentation tool **DataWiz 2** (https://datawiz2.dev.zpid.de/).

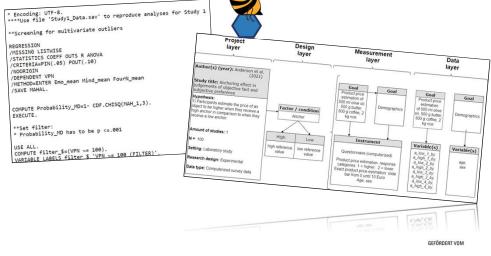
Variable name	Label	Item text	Value labels	Missing s	Measure
ID	Participant ID				
Age	Age in years	How old are you?		999: No answer	Paper / Pencil
Sex		What gender do you identify with?	1: Female 2: Male 3: Non-Binary	999: No answer	Paper / Pencil



# Step 4 - Graphical Overview of the Research Data Process

Describe all the important steps in the research data process.

Start with the project / study structure picturing the research design and its implementation. Next, move on to the various research methods that you have used, and finish with mapping everything to your dataset.



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References

Blask, K., Gerhards, L., & Jalynskij, M. (2021b). PsyCuraDat: Designing a user-oriented curation standard for behavioral psychological research data. *Frontiers in Psychology*, 11, Article 579397. doi: 10.3389/fpsyg 2020.579397 Blask, K. Müller, M.-L, Arnold, V., Kraffert, S. (2020c). Evaluation of the PsyCuraDat-specification 1.0: Study description of the data referring to the first user study conducted in the BMBF-funded project PsyCuraDat. ZPID. doi: 10.23668/PSYCHARCHIVES.4318

Blask, K. Müller, M.-L, Arnold, V., Kraffert, S. (2021a). Evaluation of the PsyCuraDat-specification 2.0: Study description of the data referring to the second user study conducted in the BMBF-funded project PsyCuraDat. ZPID. doi:10.23668/PSYCHARCHIVF54459